

Aruba - P4 The Battle Creek Low Banders will stage a multi-operator entry in the CQWW 160-Meter CW contest Jan. 28-30, 1994. Operators will be W0CD, W8SEY, W8UVZ, and K8GG (the team that operated J37XT in Jan. 1990). They have reserved the contest call of P40U, but may alternately use P40GG or P40CD. The team will be active Jan. 25-Feb. 2, on 160-10 meters, CW and SSB outside the test. QSL the P4/ calls to the operator's home address, and the contest call to George Guerin K8GG, 675 Riverside Drive, Battle Creek MI 49015-4678.

Pacific Klaus Schaub DJ3NY begins a month-long tour around the Pacific Dec. 29. He will operate as KH6/DJ3NY, 3D2NY, ZK1?, and FO/DJ3NY until Feb. 3. 20- and 40-meter CW only. If the pile-up gets too big, he'll operate split, listening up, running a

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Kenwood TS-50S into a 20-meter loop and 40-meter vertical. QSL via the German DARC bureau, or direct to Klaus at Kurrstr. 5, D-8522 Herzogenaurach, Germany, with SAE and IRCs, please.

Montserrat - VP2M Stu Stephens K8SJ returns to Montserrat as VP2MFA Jan. 14-27. His planned operating schedule (and alternates) is: 02-0300Z 7002-7012 kHz (30 meters); 03-0600Z 3502-3512 kHz (30, 40, 160 meters); 0400Z 1835 kHz; 11-1200Z 7002-7012 (20 meters); 16-1700Z 18077, 21025, or 28025 kHz; 19-2100Z 14002-14027 kHz (higher bands). He says: "QRP operators; don't despair. If you can hear me, I can most likely hear you; be patient!" QSL to Stu via the W8 bureau, or direct to him at P. O. Box 266, Girard OH 44420-0266.

Peter 1 Island DXpedition Update

"The US team members' gear has been put aboard their ship in Montevideo, Uruguay. N4GCK accompanied the freight to Montevideo and saw all of it safely loaded aboard the ship to join the equipment previously loaded in Europe. The team includes K0IR, N4GCK, WA4JQS, KK6EK, W6MKB, XE1L, ON6TT, and a non-ham from Belgium. Cash flow is at a critical stage. Your contributions, sent via AA6BB, will be greatly appreciated. Additional details and operating frequencies will be announced soon."

Shortly Noted

- **S0RASD** has been noted near 21258 kHz 1730-1830Z. Also, **S01MZ** has been on 14202 at 1930Z. QSL both to EA2JG. (W1AW.)
- **KC6YK** will be operated by NH6YK Dec. 20-Jan. 2, mainly on the amateur satellites, 6, and 10 meters. QSL home call (W1AW.)
- **5R8KH** is ex-5T5KH; QSL via WB8LFO. (W1AW.)
- **C56/G0UCT** is active from the Gambia until Dec. 18, SSB only. QSL to G1GMZ. (DXNS.)
- **P29VCW** is Rudi DK7PE, mainly CW. QSL home call. (DXNS.)
- **3X0DEX** likes 18123 kHz at 0800Z Sundays. QSL route is now given as FD1RUQ. (DXNS.)
- **9N: DXNS** says the Ukraine operators plan to fire up from Nepal Dec. 11, but no reports received as of Dec. 13.
- **VA1S** will be aired from Nova Scotia in December commemorating the 91st anniversary of the first trans-Atlantic west-to-east contact. A certificate is available for US\$4 from VE1AL, for those who work VA1S. (DXNS.)
- **EK1700JJ** and **EK1700GK** will celebrate the anniversary of the founding of Yerevan, Armenia, during the month of January. QSL with SAE and US\$1 or two IRCs via GW3CDP.
- **RTTY: S92ZM** has been noted near 14086 kHz at 2030Z. Spots: J28BM 21073 ARQ 0630Z; YI1HS 14085 1001Z; ZS9A 21088 1625Z; VQ9WL 14088 1740Z; TL8NG 21090 0940Z; J28JJ 21070 ARQ 1515Z.
- **SSB Net check-ins: 14227 kHz:** (11,21Z) S21ZG HZ1AB 9K2GS EA8CCJ ZC4KS TU2XZ FO4OK TY8OBO 9J2HN TT8OBO S92YL 5Z4FM V51GB J28GG; **14247:** (23Z) CE3MMV/9 (South Shetland); **21355:** (18Z) TU2PA.
- **Islands On The Air:** Bob XE2/N6EK/XF1 and Steve XE2/AA6LF/XF1 made 1100+ QSOs in their 26-hour operation from Isle Marieta. The new IOTA number NA-189 has been issued for this operation. QSL Bob's contacts via N6EK, and Steve's via KA6V. **FO0PT** will be active Jan. 23-Feb. 19 from Morrea Island (OC-046), thanks to Walt Brenner DJ0FX; QSL home call. **I5JHW/9Y4** will be active Dec. 29-Jan. 10 from Tobago (SA-009), on SSB and RTTY; QSL home call. **Niutoputapu Island**, a New One for IOTA, is the target of IV3UHL and Fr. Kevin Burke A35KB, in January. (DXNS.)

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before
December 1993	Date	Flux A K	Date Flux A K
17	High Normal	11/20 100 07/09 2	10/23 92 11/10 3
18	High Normal	11/21 97 04/05 1	10/24 92 06/09 1
19	High Normal	11/22 99 03/05 1	10/25 87 25/29 3
20	High Normal	11/23 100 04/05 2	10/26 89 17/14 4
21	High Normal	11/24 100 02/05 0	10/27 87 34/41 3
22	High Normal	11/25 97 03/06 1	10/28 88 16/16 2
23	High Normal	11/26 93 09/09 4	10/29 92 08/10 1
24	High Normal	11/27 90 02/04 1	10/30 91 02/05 0
25	High Normal	11/28 93 02/04 1	10/31 91 04/07 1
26	High Normal	11/29 94 08/08 2	11/1 91 07/08 2
27	Above Normal	11/30 104 02/04 1	11/2 93 03/04 1
28	Low Normal	12/1 109 15/22 3	11/3 94 08/08 2
29	Disturbed	12/2 104 32/39 4	11/4 96 40/71 4
30	Disturbed	12/3 106 27/37 2	11/5 96 20/28 2
31	High Normal	12/4 105 04/08 3	11/6 97 21/27 2
January, 1994			
1	High Normal	12/5 101 07/11 1	11/7 95 18/19 3
2	High Normal	12/6 103 04/06 3	11/8 92 14/14 3

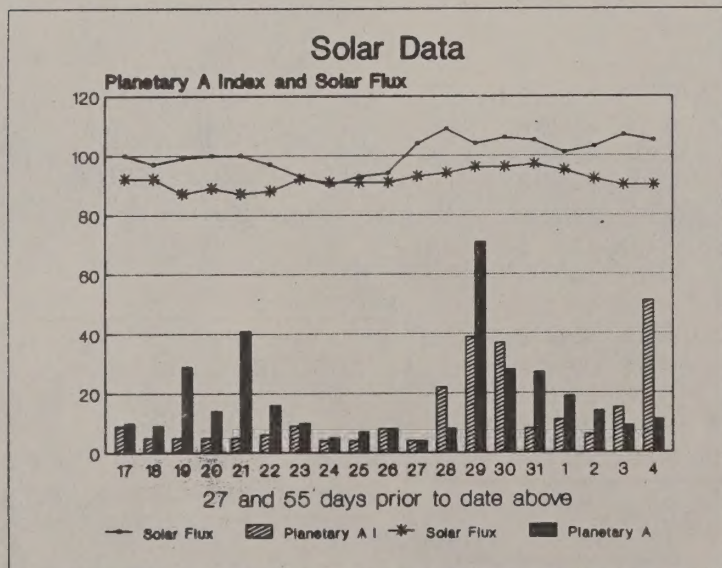
Propagation Watch

The bands have been up and down the past couple of weeks, with more of the same in the forecast. A major geomagnetic disturbance the second week in December put an end to a spell of exceptionally good long-path and low-band openings. The long path between Europe and the US west coast was open from 80 meters to 20 meters Dec. 4 and 5, with excellent signals on all bands. Solar flux has also pushed up above 100, slightly above its 90-day average. This turned out to be good news for the ARRL 10-Meter contest last weekend, with plenty of activity for this stage in the sunspot cycle.

Until the persistent coronal holes put a damper on the bands around the end of the month, DXers should enjoy similar propagation. Look for good long-path openings and low-band activity, especially around the 25th.

The higher bands are open more than most DXers think. On daylight paths when the geomagnetic field is quiet, weak but workable signals can be found on 12 and 10 meters. For example, try looking northeast in the local mornings, from the east coast. Everything from Europe to VQ9 can be found by the patient DXer. Good hunting!

Solar Data



QSL Information

- QSL the Czech Republic special contest station OL1A via Pavel Valach OK1DWX, Box 99, 37701 Jindr. Hradec, Czech Republic. Use this route for OL1HQ as well.
- The direct address of Paco EA8AB is Mr. F. Bernabeu Perez, Garc Vega 40, Urb. Santiago 1, 10 Izda, 38005 Santa Cruz De Tenerife, Canary Islands, Spain.
- QSL VP9/WA2MEQ direct to Lou Wilson's new address: 316 Ellis Lane, West Chester PA 19380.
- QSL DU7LA to Peter Sils, P. O. Box 901, Cebu 6000, Philippines.
- QSL the November, 1993, Cayman Islands operations as follows: ZF2WW via Roger Western G3SXW, 7 Field Close, Chessington Surrey, KT9 2QD, England, or via the RSGB (UK) bureau. QSL ZF2VP via KC7V, ZF2VX via K5VT, and ZF2VY via K7GE.
- QSL the November, 1993, Anguilla operations of VP2E/N2TPH and VP2E/N4CD via Bob Voss N4CD, 3133 Charring Cross, Richardson TX 75025.
- QSL Guam operators Ricky KH2HB and Lorena KH2HM Martin via APDO 2166, Balboa, Republica de Panama.
- QSL 3B9FR direct to Robert Felicite, Victoria Street, Port-Mathurin, Rodriguez Island, Indian Ocean.
- The QSL cards 4U1UN (and other United Nations headquarters callsigns) are being worked on by hand, to get the huge backlog answered. Please don't send duplicate cards to W8CZN. Computer logging at 4U1UN will eliminate delays in the future. Thanks for your patience.
- QSL cards for the 35,000 ZB2X contacts Jorma Saloranta OH2KI has made from Gibraltar will arrive via the bureau system. If you need a speedier reply, QSL direct to Jorma at Karhutie 39, 00800 Helsinki, Finland.
- KJ6TC finally received the computerized logs for his 9K2WR operation, and will start processing QSL requests.
- Anyone still needing a 4J1FM QSL card should try again via P. O. Box 1036, Sun City AZ 85372-1036.

DX Awards Banquet

The Central Arizona DX Association holds its annual Awards Banquet Friday, January 7, at the Salt River Project PERA Club, at 7pm. No-host bar at 6pm. Choice of chicken or beef for \$12.50, to Fred Hules N7PNK, 12639 N. 50th Lane, Glendale AZ 85304. The program includes Dr. Vince Thompson K5VT on his recent travels to Eritrea E31A and Mellish Reef VK9MM. Non-members and visitors from outside the area are encouraged to attend. For further information, contact Lee Finkel KY7M, telephone 602-998-2418.

Ham Radio Talk Show

Ham Radio and More is sent over the Talk America Network each Sunday at 0100Z. Ask your local radio station to air the program. On Dec. 19, Peter 1 Island DXpedition leader Ralph Fedor KØIR and Lee Finkel KY7M will discuss the Peter 1 Island DXpedition. The one-hour show is heard on some 80 stations across the country. Lee provides a short DX Update each week.

B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

RTTY

EA8SZ	14085	2019	30	MN
FG5FI	14083	2130	6	CA
HKØDPA	14089	2045	6	CA
S92ZM	14087	2026	30	MN
VK2KN	14088	2115	10	CA
ZS9A	21087	1528	4	WI

160 Meters

ZD8VJ	1828	2259	2	WV
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80 Meters

3DAØBK	3507	0310	6	CA
4K1F	3501	0150	6	GA
7X4AN	3515	2155	2	NH
9A2CU	3507	0428	7	MI
9A2DS	3503	0530	6	KS
CE3CJ	3502	1010	6	NH
CT4DX	3506	0057	7	FL
HB9ATA	3505	0545	1	KS
HR1LW	3506	1010	3	NH
JA1HQT	3505	1000	3	NH
JTØBG	3503	1112	1	NH
KH6AK	3517	1035	2	NH
OH8PJ	3508	1020	1	NH
ON4UN	3506	0712	28	CA
OZ7UW	3508	2150	30	NH
PZ1AP	3508	0159	4	ID
PZ1DY	3507	0059	7	FL
PZ1DY	3505	0940	4	NH
RA1ZA	3507	1100	5	NH
UAØZEA	3513	1257	30	AL
UN5JDE	3507	1036	4	OR
UV9FM	3511	1135	5	NH
UZØZCT	3510	1306	30	AL
UZ2FWA	3505	2342	11	FL
VK6HD	3506	1212	26	WV
VQ9QM	3507	1531	4	OR
VQ9QM	3503	2300	4	NH
Z32JA	3514	2215	2	NH
ZS6QU	3510	0314	27	CA

75 Meters

9K2MU	3789	2224	4	MA
9M8DB *	3789	2202	4	MA
A45ZZ *	3795	1421	4	CA
A92BE *	3799	1415	5	CA
CO1RG	3797	0410	5	GA
EI6S	3795	0825	4	CA
EI8H *	3799	1508	5	CA
FM5DN	3790	0810	4	OR
G3FPQ *	3799	1446	4	CA
HKØHEP	3795	0043	23	NC
HZ1AB	3789	0159	3	NC
HZ1AB *	3795	1419	5	CA
JT1CS	3795	1405	5	CA
LA6WEA *	3799	1420	6	CA
OY9JD	3799	2238	30	MD
OZ8BV	3790	0700	4	OR

OZ8BV *	3799	1410	5	CA
PZ1EL	3799	0842	4	CA
S21ZG	3789	1417	8	CA
UL7VW *	3795	1200	2	MA
VK6LK *	3797	2055	4	MA
XE1VIC	3795	0605	5	CA
XQ8ABF	3798	0355	6	CA
ZL2SN	3791	0810	4	CA

40 Meters

3B8CF	7003	0145	5	CA
3D2AG	7006	1035	3	NH
3D2MQ	7003	0558	30	IN
3DAØCA	7008	0310	5	IA
4K2BY	7055	0703	28	GA
4K2MAL	7001	1250	1	IA
4K2PGO	7007	2354	11	FL
4U1UN	7008	0138	1	MO
4X/S59RP	7003	1422	3	ID
5B4OG	7004	0223	6	FL
5T5JC	7004	2230	2	MN
5W1GC	7005	0530	29	KS
5W1GC	7008	1150	5	IA
5Z4FO	7009	0235	7	IA
7Q7XX	7046	0205	28	CA
9A1A	7044	0036	28	CA
9M2AX	7007	1440	5	CA
A22MN	7003	2207	5	NH
BV4CT	7005	1330	6	IA
EA6NB	7004	0455	5	GA
EA8AB	7008	2300	3	NH
EA9JB	7001	2343	1	NH
EA9UG	7009	0054	9	FL
ER5GB	7008	2339	6	NH
ET3BH	7007	0125	6	GA
FK8GJ	7007	1250	5	IA
HSØAC	7005	1544	28	CA
HV3SJ	7012	2026	4	WV
HZ1AB *	7007	1315	5	IA
ISØOMH	7003	0053	7	FL
JW8XM	7033	0936	27	CA
KG4DX	7003	0445	5	GA
OA4CWR	7009	1210	5	IA
SV1AKX	7007	0053	9	FL
SV1BKE	7001	0110	7	FL
T92A	7005	2327	6	NH
UIØA	7007	0140	5	CA
V44KAI	7004	0046	9	FL
V73C	7027	0551	28	GA
VK6VK *	7006	2230	6	IA
VQ9QM	7009	1958	4	NH
VU2FWW *	7016	0155	5	CA
VU2ROI *	7004	1225	5	IA
YN/	7011	2323	7	FL
SMØOIG				
Z21HS	7004	0443	2	CO
ZA1A	7004	0230	6	GA
ZA1J	7003	0104	2	NB
ZS1AAX	7008	0345	2	MO
ZS6QU	7011	2240	5	GA

30 Meters

3B8CF	10101	0226	1	GA
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4K1F	10101	0241	6	GA
4K2MAL	10103	1351	1	MN
FK8GJ	10102	1325	11	FL
FR5DD	10105	0252	1	GA
HKØER	10120	2204	30	MN
HR1IQC	10110	1318	1	MN
RA1ZA	10103	2308	30	GA
ZB2FK	10114	2329	29	GA
ZD8M	10102	2310	7	FL

20 Meter CW

3B8FQ *	14009	1406	4	IL
4K2MAL	14013	1840	5	MI
4X1FQ *	14018	1529	30	WA
4X4WN *	14008	1500	4	WA
7Q7RM	14008	1937	2	WI
7Z1AB	14009	2324	11	FL
9K2MU *	14010	1545	6	IA
A35VH	14020	0610	6	MI
EA6ZY *	14022	1602	2	WA
EA8QJ	14030	1816	5	GA
FY5YE	14005	2154	5	FL
HL5NFU	14025	2328	11	FL
HSØ/ *	14025	0035	7	CA
G3NOM				
JY9WI *	14007	1400	6	IA
S21ZG *	14010	1350	6	IA
S92SS	14013	2209	26	AL
SU1SK *	14040	1545	5	CA
TA2BD	14025	1611	5	FL
TL8GR	14010	2003	24	IN
UAØQFC	14018	2215	6	MI
UWØLI	14005	2235	6	MI
V21ZL	14004	2129	5	NH
VR2GC *	14028	0105	7	CA
VS6BG	14027	2325	2	GA
ZD8M	14023	2201	2	CO

20 Meter SSB

4S7DA *	14191	0125	7	CA
5T5JC	14247	2214	27	VA
A35VH	14259	0614	3	MI
A41KJ *	14220	1300	5	MD
A41KJ *	14175	1415	4	IA
C31HK	14183	1709	30	MD
C31SD	14182	1707	30	MD
C91AI	14202	2028	2	WI
CE9SAC	14260	0159	2	MD
D2EGH	14202	2155	29	WI
FK8CP	14170	2021	24	MD
FO4OK	14247	0445	30	MD
HSØ/	14155	1303	30	MD
G4UAV	14186	1620	2	MD
HZ1AB *	14165	1326	3	MI
KC4AAA	14270	0402	30	MD
KG4DX	14165	1328	5	IL
TL8KM	14226	2050	4	GA
VR6ME	14255	0726	3	MI
ZD8VJ	14195	2207	5	MI
ZS8MI *	14198	1505	4	IA

17 Meter CW

CN8LR	18080	1734	5	NH
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EA9UG	18076	1550	30	NH
HC5AI	18073	2317	7	FL
KH4/	18096	2030	5	GA
N7TNL				
V73C	18078	0010	4	GA
VS6BG	18069	2352	3	CA
YO2BP	18085	1441	30	NH

17 Meter SSB

7X2DG	18138	1240	5	MD
C53HG	18132	1243	4	MA
HKØOEP	18130	1252	4	MA

15 Meter CW

3V8AS	21025	1408	5	FL
C91J	21033	1840	5	GA
CEØZIS	21021	2320	30	MO
EA6EJ	21012	1356	4	IL
FR5BT	21023	1450	1	IA
HR1B	21024	1857	8	CA
HV3SJ	21012	1525	4	IA
KH4/	21036	2315	4	IA
N7TNL				
OA4GH	21018	1413	5	FL
SV2BFM	21008	1411	5	FL
TU2MA	21015	1707	26	NB
YN/	21021	1618	3	ID
SMØOIG				
YS1X	21020	1810	4	GA
Z21HS	21021	1515	5	IA
Z32JA	21020	1447	4	IL

15 Meter SSB

3D2CC	21260	1907	3	MD
4L4MM	21288	1343	6	MA
5N8BMS	21223	1529	27	VA
5V7JB	21293	1642	30	MD
6W6JX	21300	1830	5	IA
7P8EB	21272	1832	30	WI
TR8VP	21272	1355	3	IA
TU5DX	21260	1405	6	IA
TZ6FIC	21330	1625	5	IA
V51BLX	21233	1456	27	VA
ZA1B	21289	1230	5	NJ

12 Meter CW

9J2BO	24900	1642	3	MI
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10 Meter CW

F5NTS	28011	1502	2	NH
HH2PK	28025	1346	11	FL
ON4UN	28020	1344	11	FL
VP5P	28007	1652	5	MI

10 Meter SSB

7X2LS	28498	1643	1	NY
OY9JD	28495	1450	1	IA
PZ1EE	28495	1800	5	CA
ZD7WRG	28319	1504	3	MD
ZS6AOO	28491	1732	1	NJ

Current and Future DXpeditions

(Changes and hot info in boldface.)

DXCC Country	Prefix	Callsign	Dates	Issue
American Samoa	KH8	AA5K/	Dec. 2-23	I715
Aruba	P4/	W1EKT	Jan. 10-17	I717
	P40U	W8s	Jan. 25-Feb. 2	I718
Bahamas	C6	C6AGN	Dec. 5-Feb 23	I715
Bangladesh	S2	S21ZX?	Dec. 26-Jan. 11	I716
Belau	KC6	KC6YK	Dec. 20-Jan. 2	I718
Cayman Islands	ZF	ZF2VE	Dec. 10-20	I714
Dodecanese	SV5	SV5TS	21252 15-16Z	I716
Gambia	C56/G0UCT		to dec. 18	I718
Ghana	9G	9G1JI	Nov. 8+	I711
Guinea	3X	#X0DEX	18123 08Z Sun.	I718
Maldives	8Q	8Q7BX	Dec. 27-Jan. 6	I716
Midway Island	KH4/	N7TNL	Oct. 21+	I708
Montserrat	VP2	MFA	Jan. 14-27	I718
Nauru	C21/	AH0F	Dec. 29-Jan. 3	I717
Nepal	9N	UT4UZ+	Dec. 11+?	I714/6
Niue	ZK2	ZK2XJ	Dec. 24-30	I715
Papua New Guinea		P29VCW	soon	I718
Peter I Island	3Y		Feb. 1-17	I685
Pitcairn Island	VR6	VR6ID	21290 1600Z	Mon. I716
Pratas Island	BV	BV9P	Dec. 25 ?	I716/7
Revillagigedo	XF4	XF4CI	Dec. 18-31	I717
Rodriguez Island	3B	3B9FR	new bands	I711
Rotuma	3D	3D2AG	now active	I717
Somalia	T5/	N3HQW	Weds. and Suns.	I716
South Cook Islands		ZK1AJM	Dec. 31-Jan. 2	I715
Sri Lanka	4S7	OH2VZ	Nov. 15-Dec. 15	I711
Thailand	HS	HS0ZAR	Jan. 15-Feb. 15	I715
Tonga	A3	TBA	Dec.-Jan.	I712
Western Samoa	5W	5W1AS	Jan. 2-5	I715
Western Sahara	S0	S0RASD	21258 1730-1830Z	I718
		S01MZ	14202 1930Z	I718
Zone 29		VK6LK	3795± 22Z	I716

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
80 Meters	HR1LW	3506±	1000Z
Albania	ZA1J	7003	0100Z
Antigua	V21ZL	20M CW	2130Z
Ascension Island	ZD8VJ	20M SSB	2200Z
Asiatic Russia	UW0LI	14008±	2230Z
Asiatic Russia	UA0ZCT	3501	1130Z
Botswana	3B8CF	7005±	2200Z
Greece	SV1AKX	7006	0100Z
Hong Kong	VS6BG	18069	0000Z
Kuwait	9K2MU	14007±	1545Z Mon.
Mauritius Island	3B8CF	7003	0145Z
Mozambique	C91J	15M CW	1900Z
New Caledonia	FK8GJ	7008	1300Z
Russia	RA1ZA	3509±	1100Z
Saudi Arabia	HZ1AB	14165	1330Z



P. O. BOX 50
FULTON CA
95439-0050 USA
(707) 523-1001

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Operating Events and DX Gatherings

Dates	Event	Reference:
Jan. 8-9	ARRL RTTY Roundup	<u>QST</u>
Jan. 28-30	CQWW 160-Meter CW Contest	<u>CQ</u>
Feb. 12-13	EAWW RTTY	<u>RTTY Journal</u>
April 15-17	Visalia International DX Convention	<u>I716</u>

Contributors

This Issue made possible by: AA8HV, AA9DK, AG8L, AH0W, AJ6T, DJ3NY, DU7LA, DXNS, G3SXW, K0IR, K1HDO, K4BAI, K4IQJ, K4NLA, K6IR, K7FL, K7UOT, K8GG, K8JLF, K8OQL, K8SJ, KA7T, KH2HB, KM9J, KS0M, KT7H, KY7M, KZ0X, N0ABA, N2EJQ, N2GLH, N2KK, N4CD, N4LBJ, N6EK, NM7M, OH2LVG, OK1DWK, VE9RJ, W0JRN, W0RXL, W1AW, W1BFT, W1FV, W1NH, W4VQ, W6JOX, W6UQF, W6WKE, W8BJI, W8CT, W9HAO, W9RXJ, WA2MEQ, WA9GON, WB3ECU, and WB8ZRL. Many thanks!

Senegal	6W6JX	21302	1830Z
South Shetlands	4K1F	3511	0500Z
Thailand	HS0/G4UAV	14170±	1300Z

QSLs Received

- From managers: 1B1AB (G0ITX, 6 MOS); 5B8DK (JH8WAH, 11 MOS); 9J2BO (W6ORD, 3 WKS); 9K2ZZ (W8CNL, 2 WKS); E31A (JH1AJT, 4 MOS); EI7M (EI5FT, 3 WKS); ET3BH (SM3EVR, 7 MOS); J37K (W8KKF, 5 WKS); NF1S/KP1 (W5LJU, 8 MOS); PY0FM (PY5CC, 8 MOS); TL8NG (WA1ECA, 2 WKS); TZ6FIC (FF6KEQ, 10 YRS!); VR6BB (JF2KOZ, 9 MOS); VS6WV (K0TLM, 7 WKS); WH9/KC6CEX (OKDXA, 3 MOS); YI/F1PGP (F5PYI, 6 MOS); YS1X (W3HNC, 2 WKS); ZK2XX (ON4QM, 2 WKS).
- Direct: 3B8CF (5 WKS); 8R1AK (6 WKS); FM5DN (3 MOS); SU2MT (5 WKS); ZD7CRC (5 MOS).